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I, JULIE BILLINGSLEY, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2002950716 for a patent by ARISTOCRAT TECHNOLOGIES AUSTRALIA PTY LTD as filed on 12 August 2002.

WITNESS my hand this  
Eleventh day of August 2003

A handwritten signature in cursive script that reads "J. Billingsley".

**JULIE BILLINGSLEY  
TEAM LEADER EXAMINATION  
SUPPORT AND SALES**



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**AUSTRALIA**

**Patents Act 1990**

**Aristocrat Technologies Australia Pty Ltd**

**PROVISIONAL PATENT**

*Invention Title:*

*Title: A Gaming Machine with Bonus Feature*

The invention is described in the following statement:

## *A Gaming Machine with Bonus Feature*

### **Field of the Invention**

This invention relates to a gaming machine. More particularly, the invention relates to a gaming machine and to an improvement to a game  
5 played on such a gaming machine.

### **Background to the Invention**

Players who regularly play gaming machines quickly tire of particular games and therefore it is necessary for manufacturers of these machines to  
10 develop innovative game features which add interest to the games. In so doing, it is hoped to keep players amused and therefore willing to continue playing the game as well as to attract new players.

Also, with the growth that has occurred in the gaming machine market, there is intense competition between manufacturers to supply various existing  
15 and new venues. When selecting a supplier of gaming machines, the operator of a venue will often pay close attention to the popularity of various games with their patrons. Therefore, gaming machine manufacturers are keen to devise games and/or game features which are popular with the players as a mechanism for improving sales, retaining customers and  
20 attracting new customers.

### **Summary of the Invention**

According to a first aspect of the invention, there is provided a gaming machine having a display means and a game control means arranged to  
25 control images of symbols displayed on the display means, the game control means being arranged to play a game wherein at least one random event is caused to be displayed on the display means and, if a predefined winning event occurs, the machine awards a prize, wherein the game includes a bonus feature which, when triggered, results in the display of a plurality of  
30 devices, each of which animates to reveal a number, a prize awarded being a product of the numbers displayed by the devices.

Preferably, the gaming machine includes a composite, bonusing feature. The composite, bonusing feature comprises a plurality of bonus

features. The bonus features are independent of each other and of the base game. It is envisaged that the bonus feature of the present invention will form part of the composite, bonusing feature but it is to be understood that the bonus feature of the present invention need not necessarily be used  
5 exclusively as a part of a composite, bonusing feature. For ease of reference the composite, bonusing feature will be referred to as a "composite feature".

The composite feature may automatically be triggered or, instead, the player may have to wager an additional bet to be eligible for the composite feature. If the composite feature applies, it may be triggered independently of  
10 the base game.

If the composite feature applies, whether automatically or due to the wagering of an additional bet, the control means may make a random determination as to whether or not the composite feature is to be triggered.

Should the composite feature be triggered, the control means may  
15 make a further random determination as to which bonus feature of the composite feature is to be played.

In the case of the feature of the present invention, if this feature is triggered by the control means, the base game may be replaced by a second screen display.

20 A character, called "Lucky Devil<sup>TM</sup>" (Lucky Devil is a trade mark of the Applicant), which may be common to all of the bonus features of the composite feature, may appear in the second screen display.

The devices of the feature may be dice. The character may animate to perform a routine simulating the shaking of a plurality of dice, for example,  
25 three dice, in the character's hand followed by a simulation of throwing of the dice.

Preferably, to create a heightened sense of anticipation, the dice may be thrown one after the other. Each die may, in the second screen display, animate to roll across a scene of the display to come to rest at a front of the  
30 scene with one face of the die visible.

The prize awarded may be the product of the numbers on the visible faces of the dice.

In the case where the feature comprises three dice, if the numbers on the visible faces of two of the dice are the same, the prize awarded may be

multiplied by a predetermined multiple, for example, a multiple of five. If the numbers on the visible faces of all three of the dice are the same, the amount awarded may be multiplied by a further, higher multiple, for example, a multiple of ten.

5 In addition, the prize awarded may be multiplied by the number of lines bet and the bet per line.

According to a second aspect of the invention, there is provided a game to be played on a game playing apparatus, the game playing apparatus having a display means and a game control means arranged to control  
10 images displayed on the display means, the game including a bonus feature which, when triggered, results in the display of a plurality of devices, each of which animates to reveal a number, a prize awarded being a product of the numbers displayed by the devices.

A game playing apparatus includes one which does not require the  
15 wagering of a stake in order to play the game and further includes apparatus which is connectable to a network.

### **Brief Description of the Drawings**

The invention is now described by way of example with reference to the  
20 accompanying diagrammatic drawings in which:-

Figure 1 shows a perspective view of a gaming machine, in accordance with the invention;

Figure 2 shows a block diagram of a control circuit of the gaming machine;

25 Figure 3 shows a screen display of a base game forming part of a game played on the gaming machine of Figure 1;

Figure 4 shows a screen display when a composite, bonusing feature is triggered on the gaming machine of Figure 1;

Figures 5a to 5c show a sequence of screen displays of a bonus  
30 feature which is one of the features of the composite feature; and

Figure 6 shows a flow chart of the game played on the gaming machine when, firstly, the composite feature has been triggered and, secondly, the bonus feature of Figures 5a to 5c has been selected.

### **Detailed Description of the Drawings**

In Figure 1 of the drawings, reference numeral 10 generally designates a gaming machine, including a game, in accordance with the invention. The machine 10 includes a console 12 having a video display unit 14 on which a game 16 is played, in use. The game 16 is a spinning reel game which simulates the rotation of a number of spinning reels 18. A midtrim 20 of the machine 10 houses a bank 22 of buttons for enabling a player to play the game 16. The midtrim 20 also houses a credit input mechanism 24 including a coin input chute 24.1 and a bill collector 24.2.

The machine 10 includes a top box 26 on which artwork 28 is carried. The artwork 28 includes paytables, details of bonus awards, etc.

A coin tray 30 is mounted beneath the console 12 for cash payouts from the machine 10.

Referring now to Figure 2 of the drawings, a control means or control circuit 32 is illustrated. A program which implements the game and user interface is run on a processor 34 of the control circuit 32. The processor 34 forms part of a controller 36 that drives the screen of the video display unit 14 and that receives input signals from sensors 38. The sensors 38 include sensors associated with the bank 22 of buttons and touch sensors mounted in the screen of the video display unit 14. The controller 36 also receives input pulses from the mechanism 24 to determine whether or not a player has provided sufficient credit to commence playing. The mechanism 24 may, instead of the coin input chute 24.1 or the bill collector 24.2, or in addition thereto, be a credit card reader (not shown) or any other type of validation device.

Finally, the controller 36 drives a payout mechanism 40 which, for example, may be a coin hopper for feeding coins to the coin tray 30 to make a pay out to a player when the player wishes to redeem his or her credit.

Figure 3 of the drawings shows a screen display 50 of a base game 52 forming part of the game 16 played on the gaming machine 10. The base game 52 is a spinning reel game comprising a plurality of spinning reels 18. The example shown is the Applicant's base game called "Golden Canaries<sup>TM</sup>". However, any other base game 52 could be used in the game 16. The base

game 52, in fact, need not be a spinning reel game and could, for example, be a card game, a ball-type game, such as Bingo, Keno, or the like.

The game 16 includes a composite feature called "Lucky Devil<sup>TM</sup>". The composite feature comprises a plurality of unrelated bonus features which are independent of and unrelated to the base game 52. The composite feature, for example, comprises five different bonus features. One of these bonus features is the subject of the present invention and is described in greater detail below with reference to Figures 5a-5c of the drawings.

To be eligible for the composite feature, the player must wager an additional bet. The base game 52 has 20 paylines and, assuming the player wagers one bet per line a total of twenty credits would be required to play all 20 lines of the base game 52. However, an additional wager of five credits is wagered by the player as indicated at 54 on a bet meter on the screen display 50. The wagering of the additional bet merely gives the player eligibility to participate in the composite feature. It does not guarantee that the composite feature will occur during the playing of the base game 52.

A decision as to whether or not the composite feature is triggered is made by the controller 36 randomly.

The determination as to whether or not the composite feature is to be triggered is entirely independent of the base game 52 and also of the result of that base game. In other words, no win need appear in the base game 52 nor need any special symbols occur in the base game 52 for the composite feature to be triggered. The chance of triggering the composite feature is preferably the same regardless of which base game 52 is being played.

Should a determination be made by the controller 36 that the composite feature is to be triggered, a special banner 56 (Figure 4) is displayed over the base game 52 after completion of the current base game 52 in order to alert the player that one of the bonus features constituting the composite feature is about to occur.

Once again, the controller 36 makes a random determination as to which bonus feature of the composite feature is to occur.

Should it be determined that the bonus feature to occur is a "dice feature", the screen display 50 is replaced by a second screen display 60 as shown in Figures 5a to 5c of the drawings. A message (not shown) on the



screen of the video display unit 14 instructs a player to press the START FEATURE button of the bank 22 of buttons to commence the feature.

A character 62 of a devil animates on the screen 60 to shake a plurality of dice 64, preferably three such dice 64, while waiting for the player to press the START FEATURE button. When the START FEATURE button is pressed, three outcomes, one for each die 64, are randomly selected being numbers in the range from 1 to 6. Instead, each random selection may be made just prior to the animation for that die 64.

The character 62 animates to throw a first of the dice 64 which lands with the first randomly selected number on a visible face 66 of the first die 64. This animation is repeated with the remaining dice, one after the other, until the three outcomes are shown on the screen as shown in Figure 5c of the drawings. The prize awarded to the player is the product of the numbers appearing on the visible faces 66 of the dice 64. Accordingly, in the illustrated example, the basic prize is a prize of sixteen credits.

However, if the numbers on two of the faces 66 of the dice 64 are the same then the prize is multiplied by a predetermined multiple, in this case the multiple being five. If the numbers on the visible faces 66 of all three dice 64 are the same, then the prize awarded is multiplied by a higher multiple, for example, a multiplier of ten.

In addition, the prize awarded is multiplied by the bet made by the player. In this case, the player has bet one credit per line on 20 lines plus the additional five credits to obtain eligibility to the composite feature. Therefore, the win for the outcome illustrated in Figure 5c of the drawings is  $4 \times 4 \times 1 \times 5 \times 20 = 1600$  which is credited to a win meter 68 displayed on the screen display 60. A message 70 is also displayed on the screen display 60 to show that a double has been "thrown". Naturally, should a "triple" be "thrown", the appropriate message 70 would, instead, be displayed on the screen 60.

It is to be noted that the dice 64 are thrown one after the other so that the outcomes appear serially to heighten the sense of anticipation for the player.

In the playing of the game 16 on the gaming machine 10, a random weighted decision is made by the controller 36 as to whether or not the

composite feature is to occur and, if so, which bonus feature is to be awarded. These determinations are made by the controller 36 such that the overall return to player of the gaming machine 10 is substantially unchanged in comparison with a gaming machine 10 without the composite feature.

5           It is an advantage of the invention that a bonus feature is provided which forms part of a composite feature. The composite feature, in turn, enhances a base game which underlies the composite feature. As a result, the player's enjoyment of the game is enhanced.

10           It will be appreciated by persons skilled in the art that numerous variations and/or modifications may be made to the invention as shown in the specific embodiments without departing from the spirit or scope of the invention as broadly described. The present embodiments are, therefore, to be considered in all respects as illustrative and not restrictive.

Dated this twelfth day of August 2002

Aristocrat Technologies Australia Pty  
Ltd  
Patent Attorneys for the Applicant:

F B RICE & CO

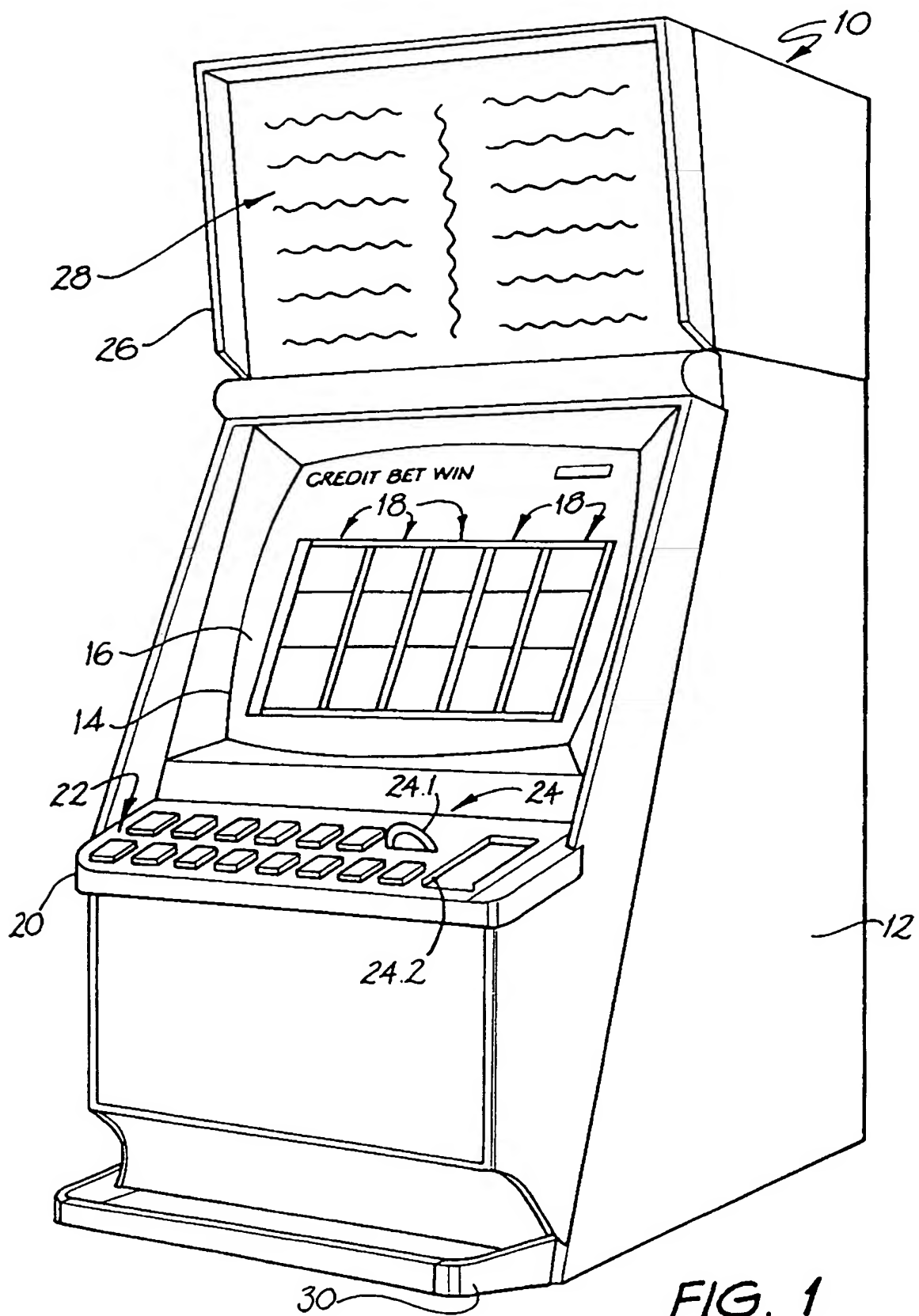
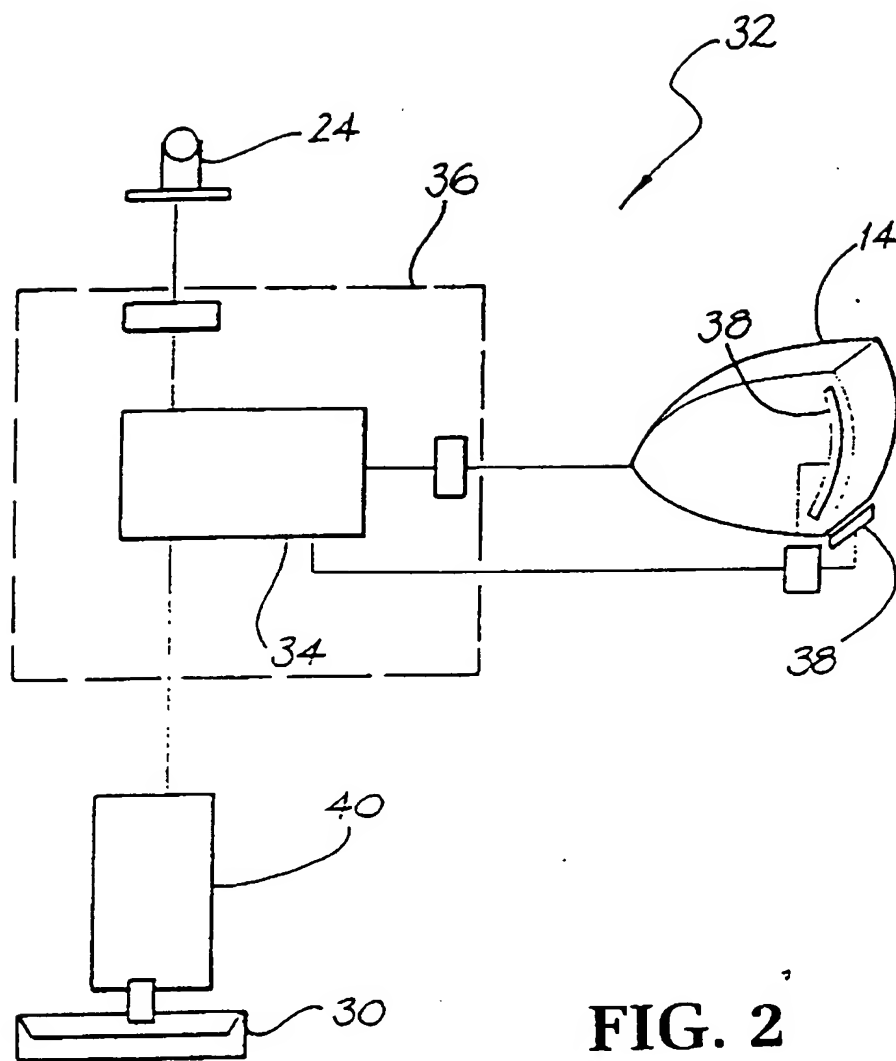
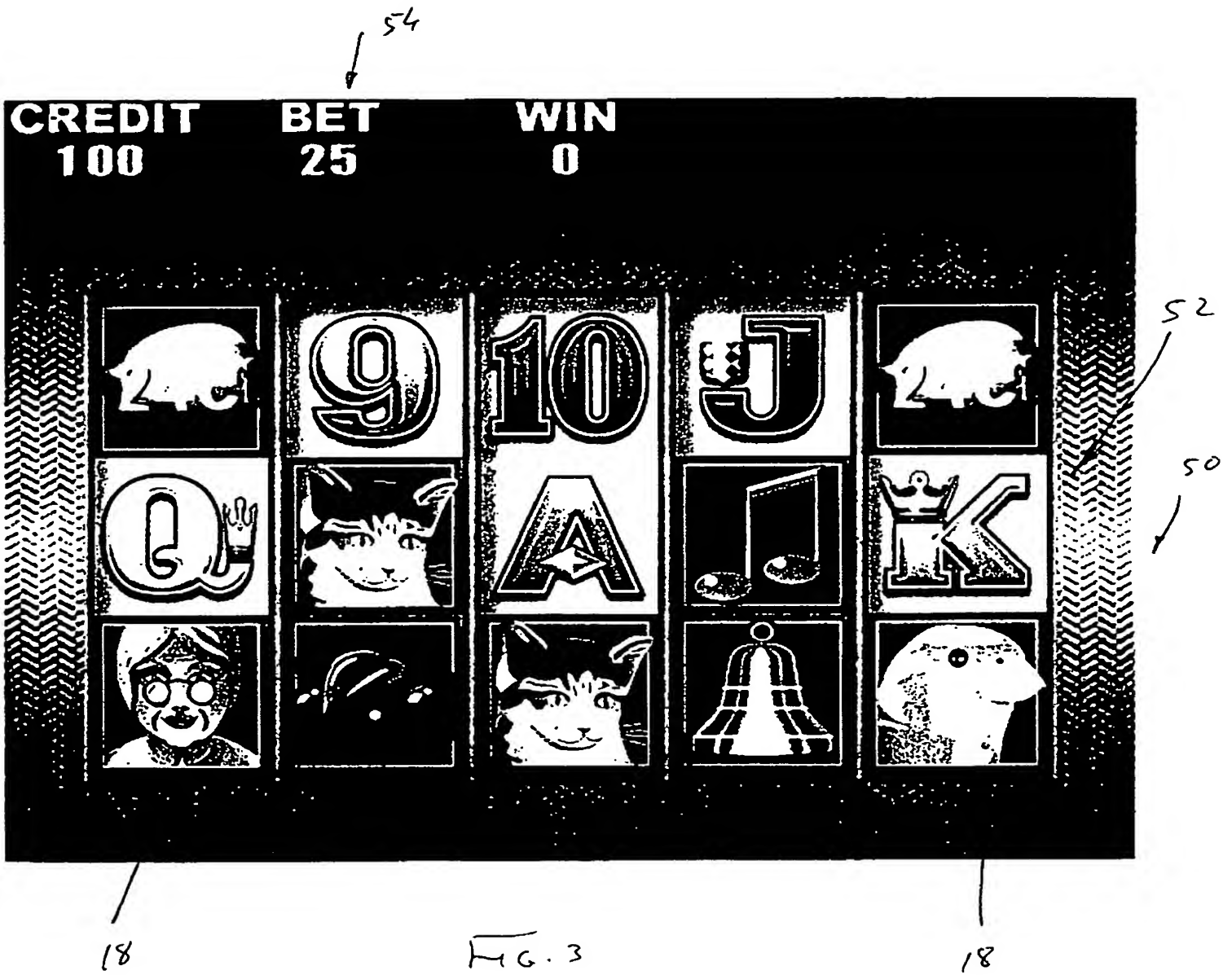


FIG. 1



**FIG. 2**



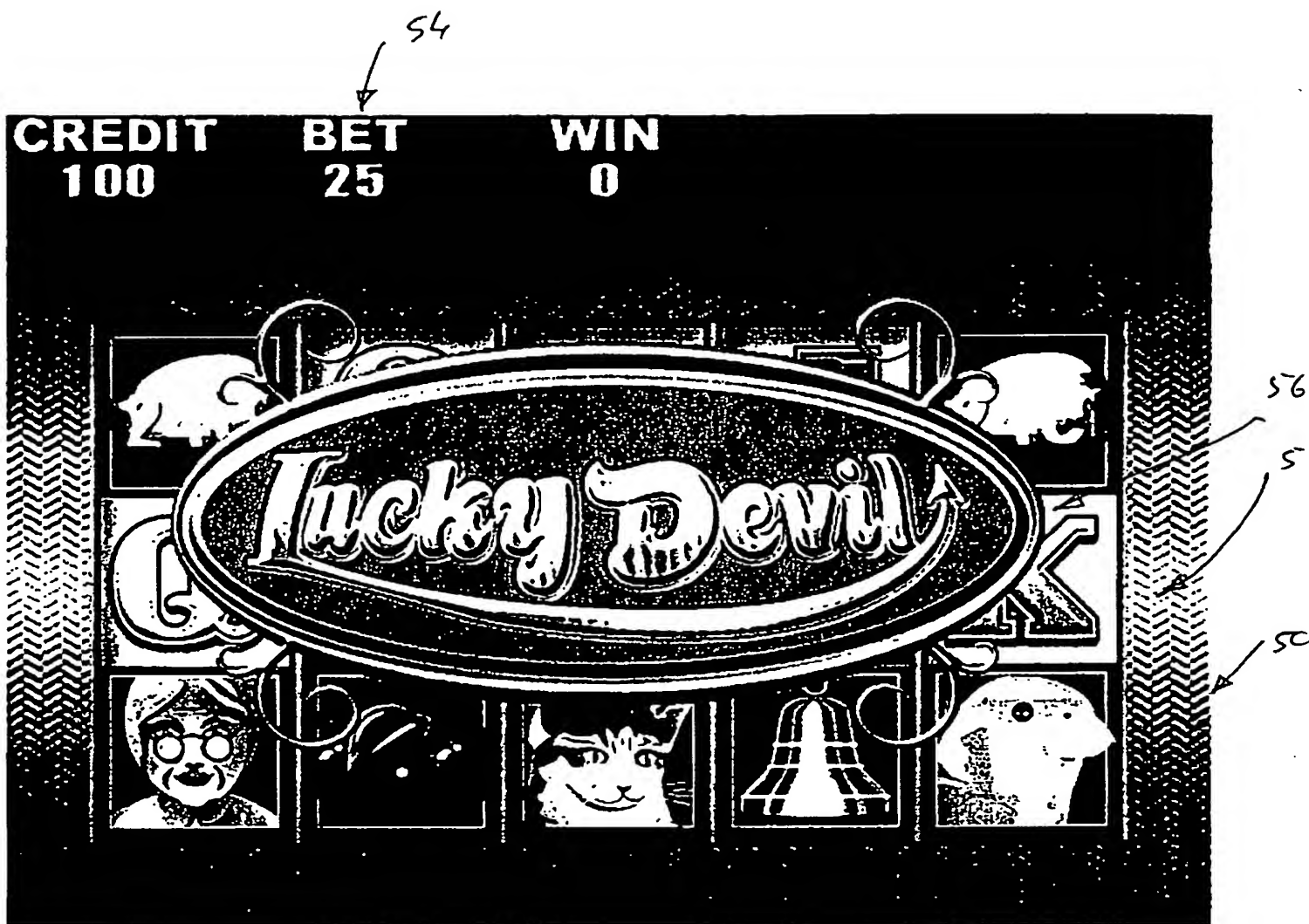


FIG. 4

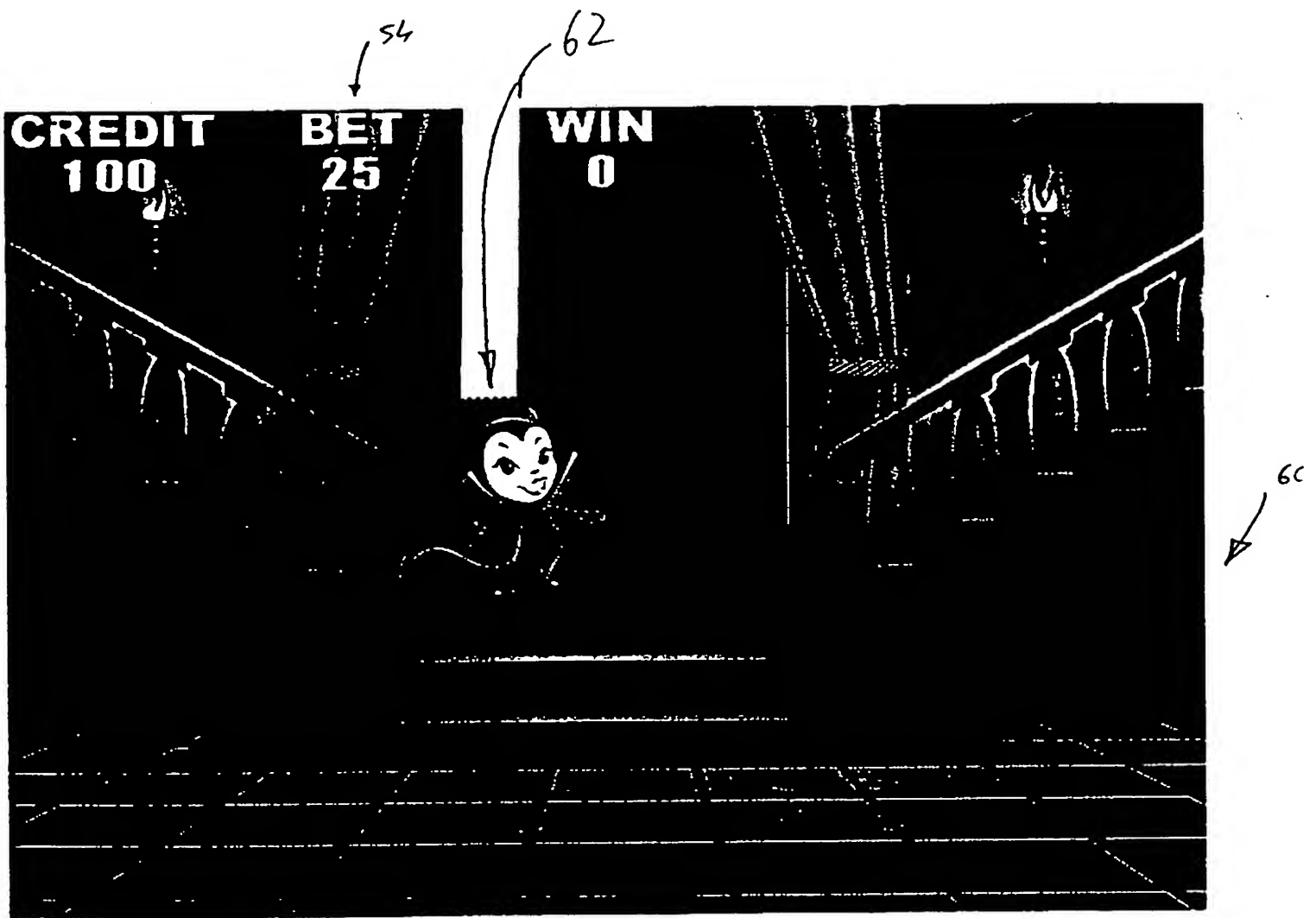


FIG. 5a

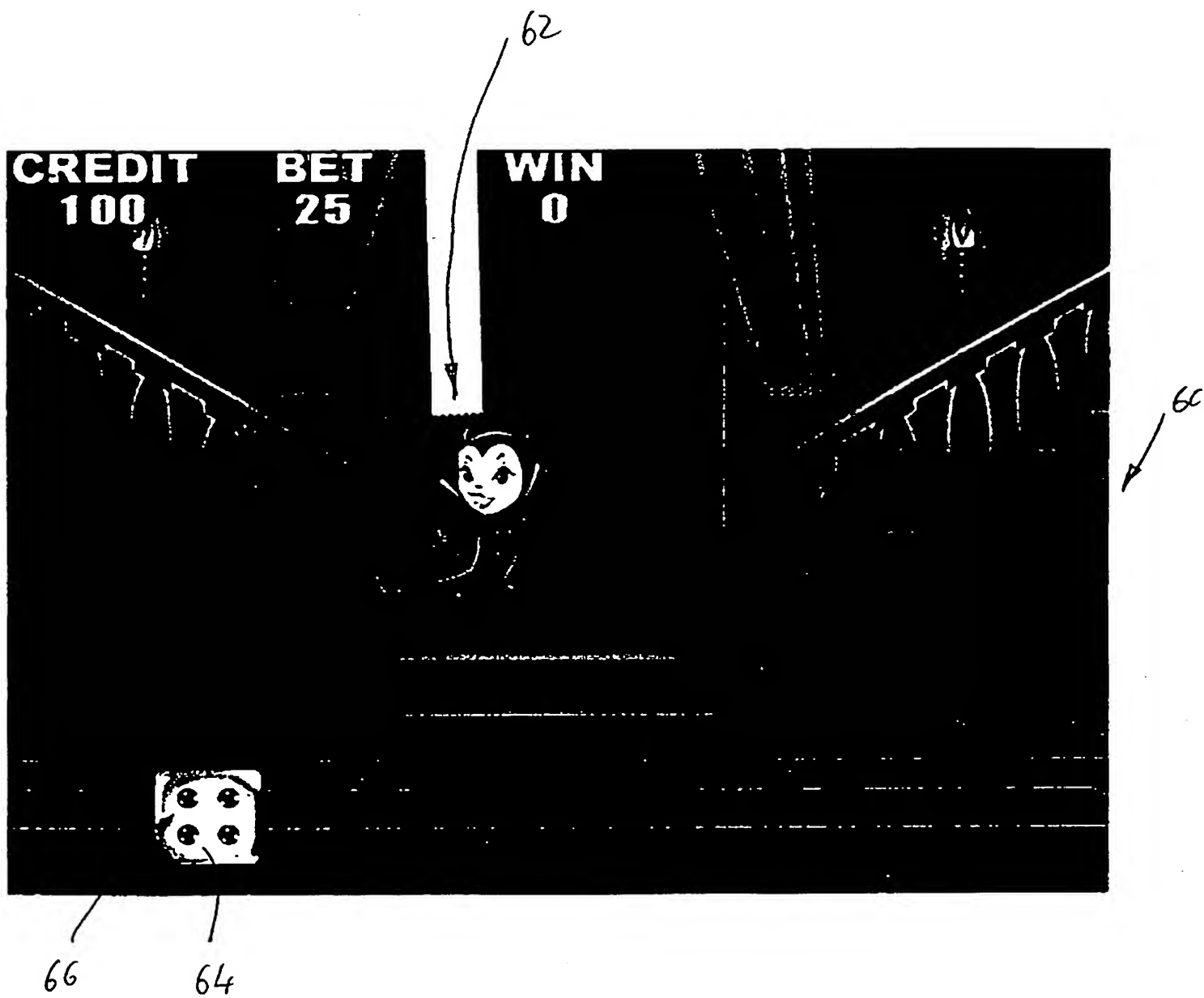


FIG. 5b



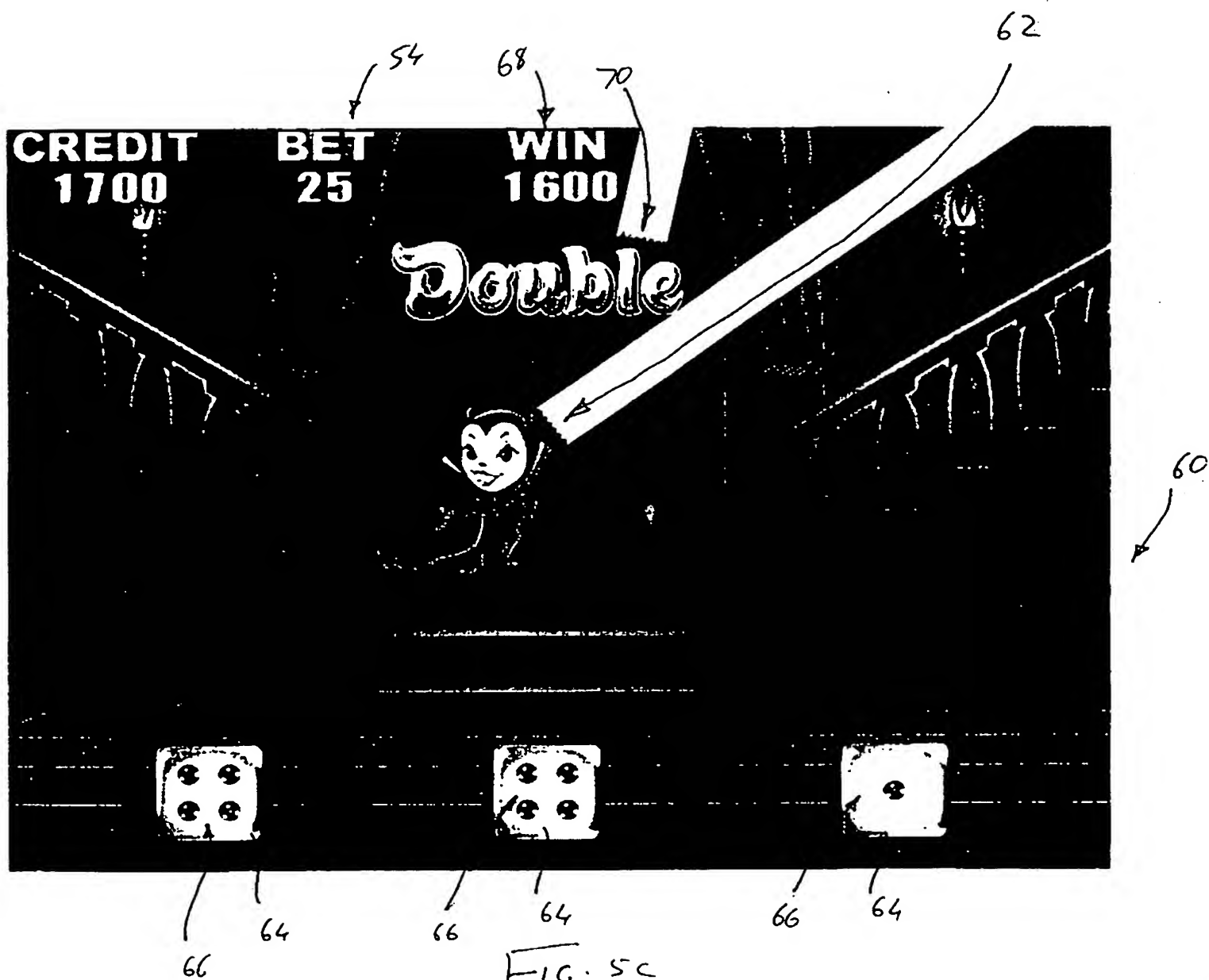


FIG. 5c

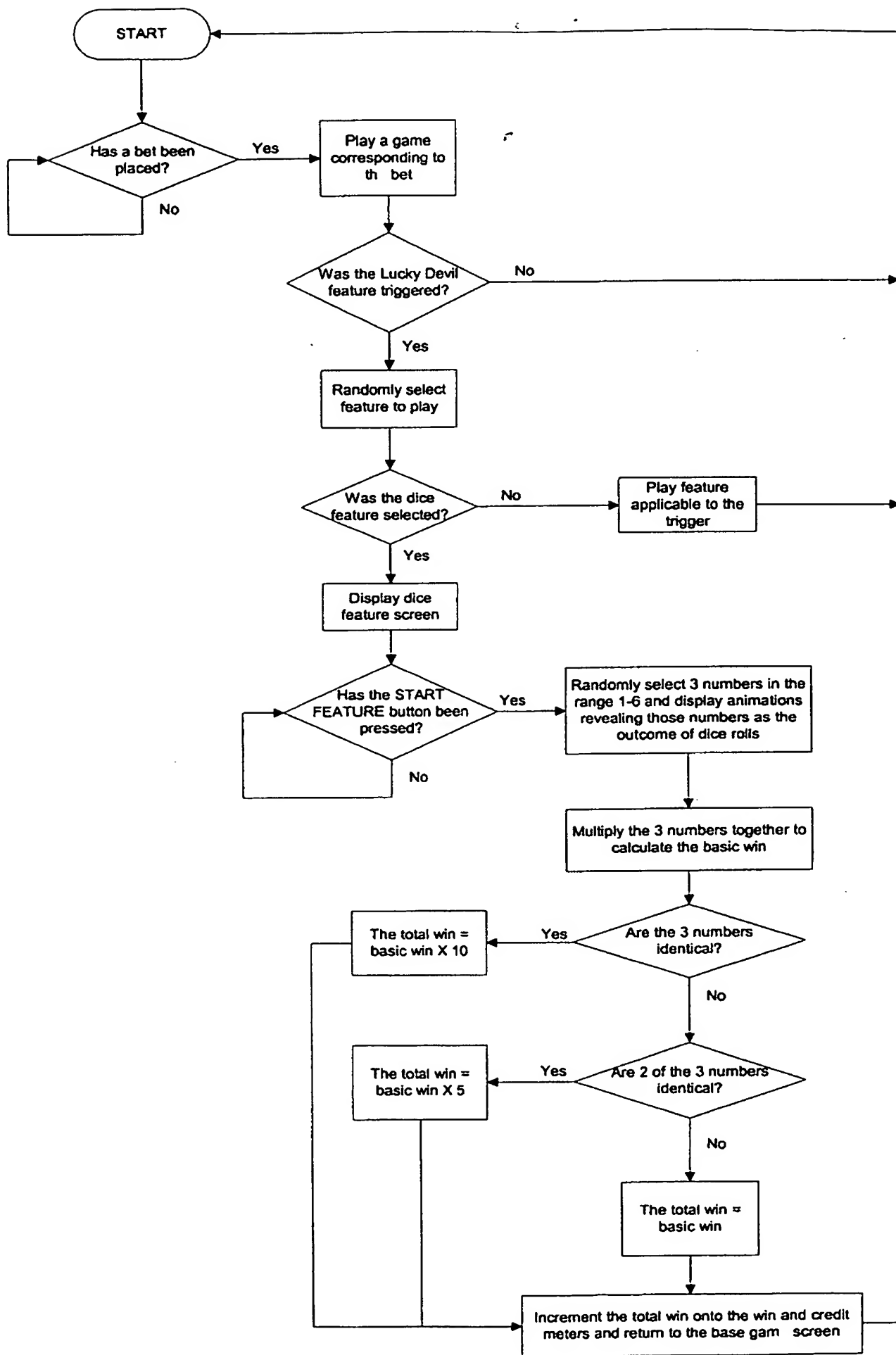


FIG. 6